

Appl. No. 10/674,670
Atty. Docket No. CM2701Q
Reply dated October 24, 2007
Reply to Final Action of September 19, 2007
Customer No. 27752

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LISTING OF CLAIMS

1. (Currently amended) An absorbent article comprising a substantially liquid pervious topsheet, a substantially liquid impervious backsheet and an absorbent core between said topsheet and said backsheet, wherein said topsheet absorbent article comprises a nonwoven fabric, wherein said nonwoven fabric
 - a) comprises a plurality of fibers;
 - b) has a surface tension of at least 65 mN/m when being wetted with saline solution;
 - c) has a liquid strike through time of less than 5 s for a fifth gush of liquid; and
 - d) comprises polymers comprising hydrophilic monomer molecules, a reaction product of a radical polymerization initiator molecules chemically grafted to the surface of at least a part of said plurality of fibers comprised by said nonwoven fabric, and agent molecules, wherein the amount of radical polymerization initiator molecules is less than 2 wt% of the monomer molecules and at least three times the amount of the agent molecules.
2. (Currently amended) An Aabsorbent article according to claim 1, wherein said nonwoven fabric comprises at least a first plurality of fibers and a second plurality of fibers, wherein said first plurality of fibers is different from said second plurality of fibers.
3. (Currently amended) An Aabsorbent article according to claim 2, wherein only said first plurality of fibers has hydrophilic polymers grafted to their surface.
4. (Currently amended) An Aabsorbent article according to claim 1, wherein said strike through time after said first and said fifth gush of said nonwoven fabric does not decrease more than 5% after storage of said absorbent article for at least 10 weeks.
5. (Currently amended) An Aabsorbent article according to claim 1, wherein said polymerized hydrophilic monomer comprises a molecule comprising at least one unsaturated double bond.

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6. (Currently amended) An ~~A~~absorbent article according to claim 5, wherein said polymerized hydrophilic monomer comprises a molecule comprising a group which is able to react with an acid or base to form a salt.
7. (Currently amended) An ~~A~~absorbent article according to claim 6, wherein said polymerized hydrophilic monomer comprises acrylic acid or its salt.
8. (Currently amended) An ~~A~~absorbent article according to claim 1, wherein said polymers add at least on said first plurality of fibers from 0.3 wt% to 10 wt%.
9. (Currently amended) An ~~A~~absorbent article according to claim 8, wherein said polymers are added to said first and said second plurality of fibers in a weight percent range of 0.3 wt% to 10 wt%.
10. (Canceled)
11. (Original) An absorbent article according to claim 1, wherein said absorbent core is provided with a core wrap material, which comprises said nonwoven fabric.
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)
18. (Canceled)

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19. (Canceled)

20. (Canceled)

21. (New) An absorbent article comprising a substantially liquid pervious topsheet, a substantially liquid impervious backsheet and an absorbent core between said topsheet and said backsheet, wherein said absorbent core is provided with a core wrap material, which comprises a nonwoven fabric, wherein said nonwoven fabric

- a) comprises a plurality of fibers;
- b) has a surface tension of at least 65 mN/m when being wetted with saline solution;
- c) has a liquid strike through time of less than 5 s for a fifth gush of liquid; and
- d) comprises polymers comprising hydrophilic monomer molecules, a reaction product of a radical polymerization initiator molecules chemically grafted to the surface of at least a part of said plurality of fibers comprised by said nonwoven fabric, and agent molecules, wherein the amount of radical polymerization initiator molecules is less than 2 wt% of the monomer molecules and at least three times the amount of the agent molecules.

22. (New) An absorbent article according to claim 21, wherein said nonwoven fabric comprises at least a first plurality of fibers and a second plurality of fibers, wherein said first plurality of fibers is different from said second plurality of fibers.

23. (New) An absorbent article according to claim 22, wherein only said first plurality of fibers has hydrophilic polymers grafted to their surface.

24. (New) An absorbent article according to claim 21, wherein said strike through time after said first and said fifth gush of said nonwoven fabric does not decrease more than 5% after storage of said absorbent article for at least 10 weeks.

25. (New) An absorbent article according to claim 21, wherein said polymerized hydrophilic monomer comprises a molecule comprising at least one unsaturated double bond.

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26. (New) An absorbent article according to claim 25, wherein said polymerized hydrophilic monomer comprises a molecule comprising a group which is able to react with an acid or base to form a salt.
27. (New) An absorbent article according to claim 26, wherein said polymerized hydrophilic monomer comprises acrylic acid or its salt.
28. (New) An absorbent article according to claim 21, wherein said polymers add at least on said first plurality of fibers from 0.3 wt% to 10 wt%.
29. (New) An absorbent article according to claim 28, wherein said polymers are added to said first and said second plurality of fibers in a weight percent range of 0.3 wt% to 10 wt%.